United States Army in Europe
Command Safety Council

✓ Our Goal: No Loss of Life…

Information presented during this VTC may be of a sensitive nature and may only be used for accident prevention purposes.

This VTC <u>will not</u> be taped or recorded.

Agenda

✓	(1300-1305)	Introduction	BG Frutiger
✓	(1305-1310)	Opening Remarks	GEN Bell
✓	(1310-1345)	Aviation Safety Video	GEN Bell
✓	(1345-1405)	Guest Speaker Army Aviation Safety Challenges	COL Gallavan
✓	(1405-1425)	USAREUR Trends Avn Resource Management Surveys	CW5 Sargent
✓	(1425-1445)	VCSA's Directives/Guidance Implementation in USAREUR	CW4 Wright
✓	(1445-1455)	Around the Horn	BG Frutiger
✓	(1455-1500)	Closing Remarks	GEN Bell

Purpose

United States Army in Europe Command Safety Council.

Forum for Senior Leaders to Focus on Our Environment, Share Lessons Learned and Experiences Toward Systematic Identification and Reduction Efforts to Optimize Command Mission Accomplishment and Resources.

Intended Outcomes

- ✓ **Sharing Information and Lessons Learned**
- ✓ **Clear Understanding of Current and Near Term Th**
- ✓ **Focus on Identified Prevention Issues and Efforts**

USAREUR
Commander's Safety Council Meeting

U.S. ARMY COMBAT READINESS CENTER

Aviation Safety *Challenges*

Enhancing Aviation Combat Readiness *through*

COMPOSITE RISK MANAGEMENT

COL Chris Gallavan
Deputy Commander, USACRC

(Reported) Aviation Accidents

	Class A		Class B	Class C
	Accidents	Fatalities	Accidents	Accidents
FY02	28	17	16	92
FY03	29	34	19	84
FY04	27	12	40	86
FY05	16	17	20	35

Total: 492 Accidents/80 Fatalities/Cost $847,763,610

Trends

Aviation

1. Mission planning
2. Aircrew coordination
3. Failure to follow standards
   - **Deviation from mission brief**
   - **Aggressive maneuvering**

Driving

1. Driver skills-inexperience
2. Fatigue
3. Failure to follow standards
   - **Alcohol**
   - **Seatbelts**
   - **Speed**

Ground

1. Driver skills-inexperience
2. Troop leading procedures
3. Failure to follow standards
   - **Small convoys**
   - **Seatbelts**
   - **Negligent discharges**

Personal Video

AH-64 Crash

Same Flight

FDR
Simulation

ENG
FUEL
PERF
UTIL
FLT
A/C
COLLECTIVE
THROTTLES
TAIL ROTOR
CYCLIC
Eng TQ #1
46.56
Eng TQ #2
47.68
M/R RPM
100.66
Eng TGT #1
537.86
Eng TGT #2
546.17
Speed:
Start Time:
End Time:
Loop

Army Aircraft Losses FY02-Present*

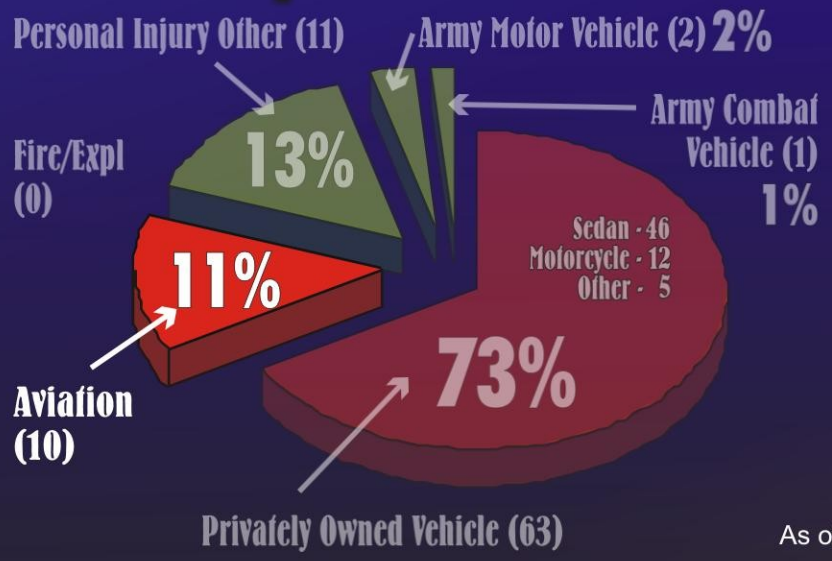
	FY02	FY03	FY04	FY05	Total
Accidental Loss**	20 (95%)	18 (86%)	21 (66%)	15 (68%)	74 (77%)
Combat Loss***	1 (5%)	3 (14%)	11 (34%)	7 (32%)	22 (23%)
Total****	21	21	32	22	96

* AH-64A/D, U/MH-60A/L, C/MH-47D/E, OH-58D aircraft only as of 22 Mar 05
** Number of Aircraft listed as a total loss in RMIS
*** Combat Loss = Total – Accidental loss
**** Number of aircraft listed as destroyed, sent to DRMO, or lost from inventory–includes aircraft where final status of airframe has not been determined by PEO Aviation, but believed to be a probable loss

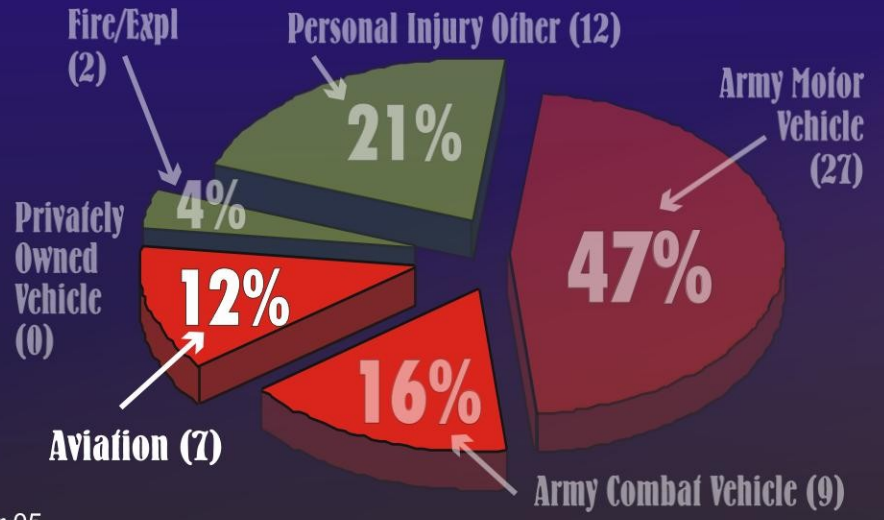
AIR

- Air Crew Coordination Training Enhancement
- Flight Data Recorder – Military Flight Operations Quality Assurance (MFOQA)
- ASMIS1 Aviation

Everywhere Else: 87



CENTCOM AOR: 57



As of 22 Mar 05

Where's the Risk?

COMPOSITE RISK MANAGEMENT

Combat

Accident

IED
Small Arms
RPG

Air
Ground
Driving

Risk Management

Risk Management

Successful Risk Management

MISSION ACCOMPLISHED

What's going to kill me & my buddies, Enemy or Accident?

Coaching Composite Risk Management

ASMIS1
POV - AIR - GROUND
CRC University

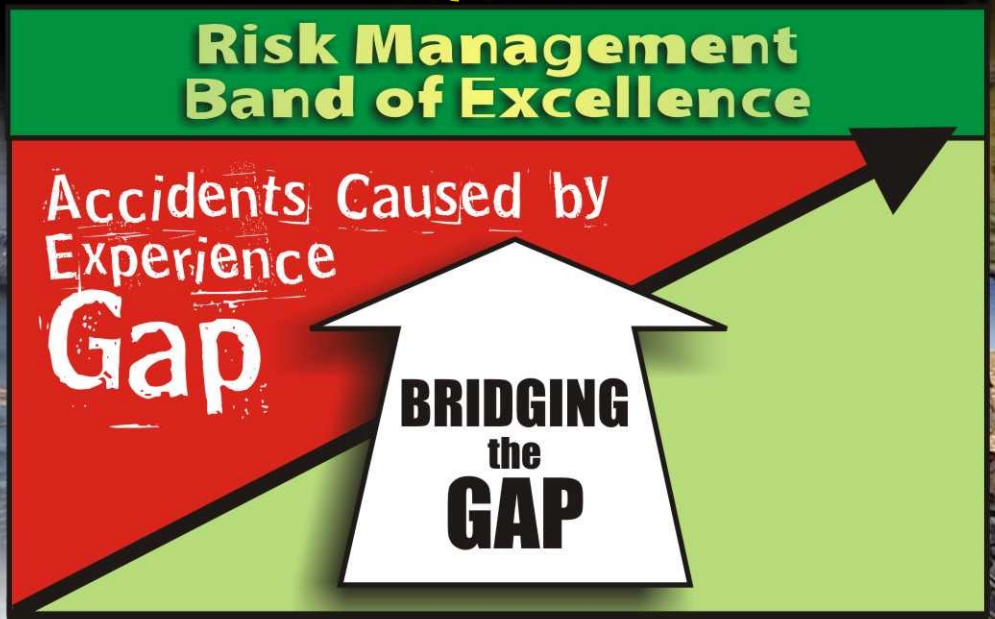
Commander's Safety Course
Additional Duty Safety Course
Commander Safety Brief
Preliminary Loss Report (PLR)

Lessons Learned
- RMIS
- Flightfax
- Countermeasure
- Impax
- Listservers

Pockets of Excellence
Shares Best Practices

"Cody Model"

Deployment Videos
& PSAs



"We can't be risk averse, but we can be smart about managing risk."
GEN Schoomaker
DASAF4-21

Class A Aviation Accidents

(FY04 & FY05 thru 3 Mar 05)

- 40 Class A Accidents/29 Fatalities
- 58% in CENTCOM AOR
- 35.5% OH-58D (34% of fatalities)
- 25% UH-60 (38% of fatalities)
- 32.5% AH-64 (24% of fatalities)

			Location			
	Accidents	Fatalities	AFGHANISTAN	IRAQ	KOREA	US
UH60	10	11	2	3	1	4
OH58D	13	10	1	12	0	0
AH64	13	7	1	7	1	4
CH47D	3	1	0	1	0	1
UH 1	1	0	0	0	0	1
Total	40	29	4	23	1	9

Aviation Resources Management Survey's *Trends and Findings*

CW5 Ken Sargent

✓Our Goal: No Loss of Life…

Agenda

- ✓ **UASSD Mission**
- ✓ **Mission Tasks**
- ✓ **Assistance visits / Evaluations**
- ✓ **Trends (4)**

USASSD Mission

- **Implement the Aviation Standardization Program in USAREUR**
- **Assist, Train, and Evaluate Aviation Safety Programs and Major Functional Areas**
- **Manage Flight Simulator Training Assets**

Mission Tasks

- ✓ Participate in the CG, USAREUR Safety Council
- ✓ Assistance / Reintegration visits
- ✓ Aviation Resource Management Survey (ARMS)
- ✓ Conduct all initial and annual SP/IE/ME/SI evaluations
- ✓ Support theater flight simulator training requirements
- ✓ Conduct Aviator Orientation Course (AOC)
- ✓ Executive agency for the USAREUR Aviation Leadership Committee

Assistance Visits / Evaluations

✓ Team assistance visits		28
✓ Individual assistance		24
✓ ARMS		12
✓ Flight evaluations	115	(87% pass)
✓ Oral evaluations	92	(98% pass)
✓ Written evaluations		406 (82% pass)

Aviation Mission Management (AMM) Process

- ✓ **Separating and understanding 3 responsibilities:**
  - **Mission Approval Authority (all ground and air operations)**
  - **Mission Briefing Officer (risk mitigation, PC, current in mission)**
  - **Risk Approval Authority (chain of command)**
- ✓ **Recommendations:**
  - **Adhere to guidance in the VCSA and USAREUR messages**
  - **Brief all crewmembers on the AMM process**
  - **Leaders must train mission briefing officers**

Aviation Maintenance

- ✓ **ULLS-A utilization is not being enforced in theater**
  - **- Lack of training on the capabilities of ULLS-A**
  - **- Aircraft component tracking**
  - **- Reporting of aircraft / component readiness**
  - **- Supply discipline**

- ✓ **Recommendations:**
  - **- Dedicate internal and external training on ULLS-A**
  - **- Use the ULLS-A process for tracking components**
  - **- Review applicable regulations**
  - **- Account for every part in the unit utilizing the ULLS-A process**

Safety Programs

- ✓ **Aviation safety programs in USAREUR are at 70-80%**

- ✓ **Recommendations for a successful safety program:**
  - **Command emphasis**
  - **A motivated Aviation Safety Officer**
  - **A well documented program**
  - **An active hazards log**
  - **Oversight from as many levels above as possible**

USAREUR AVIATION SAFETY AND STANDARDIZATION DETACHMENT
SSD

VCSA's Aviation Safety Direc

D

USAREUR IMPLEMENTATION VCSA's AVIATION SAFETY DIRECTIVE

CW4 Jim Wright

✓Our Goal: No Loss of Life...

Agenda

- ✓ Key Tasks
- ✓ Aviation Mission Management
- ✓ Mission Approval Authority
- ✓ Mission Briefers
- ✓ Risk Approval Authority
- ✓ Leadership Requirements
- ✓ Summary

Key Tasks

- ✓ **Commanders pause/assess status of units and risk management procedures**
- ✓ **Address common accident trends**
- ✓ **Battalion Level Weekly Pilot Briefings**
- ✓ **Air Mission Brief (AMB) used to identify and mitigate composite risk.**
- ✓ **Do Not Deviate from Standards**

Mission Management Process

- ✓ **Mission Approval Authority -**
  - ➢ Unit Commander, for all air/ground operations
- ✓ **Mission Briefing Officer -**
  - ➢ Experienced risk mitigator, Pilot-In-Command
- ✓ **Risk Approval Authority**
  - ➢ Designated command representative

Mission Approval Authority

- ✓ **VCSA MSG requires all air and ground operations be approved by the unit commander**
- ✓ **USAREUR MSG allows geographically detached elements to have a commander designated for Mission Approval Authority**

Mission Briefing Officers

- ✓ **Normally chain of command down to platoon leader or operations officer.**
- ✓ **Must be a PC. Selection based upon experience, qualification, currency, and ability to quickly assess and mitigate risk.**
- ✓ **Additional qualified mission briefers may be designated, but only brief in absence of chain of command or operations officer.**

Risk Approval Authority

- ✓ **Once Mission Briefing Officer and crew have mitigated composite risk to the lowest level, final mission approval will be delegated to the appropriate Risk Approval Authority.**
  - **Low** – Mission Briefer, member of chain of command, Operations Officer.
  - **Medium** – Unit Commander.
  - **High** – BN, SQDN, BDE or TF Commander.
  - **Extremely High** – First General Officer in the chain of command.

Leadership Requirements

- ✓ **Aviation commanders, O5 and above, will designate three (3) groups of individuals on a single memorandum to identify responsibilities in the Aviation Mission Management (AMM) process.**
- ✓ **Mission Approval Authority, Mission Briefing Officer, and Risk Approval Authority**

Example D

DEPARTMENT OF THE ARMY
HEADQUARTERS, UNITED STATES ARMY, EUROPE, AND SEVENTH ARMY
USAREUR Aviation Safety and Standardization Detachment
CMR 477
APO AE 09165

AEAGC-AV-SSD 17 February 2005

MEMORANDUM FOR RECORD

SUBJECT: Designation of Air and Ground Operations Approval Authority, Mission Briefers, and Risk Approval Authority

1. The following individuals are authorized to approve all air and ground operations:

The unit commander, battalion commander, or brigade commander.

2. The following individuals are authorized to perform duties as a mission briefer for the mission profiles listed:

Mission Briefer / Position	Flight Conditions	Missions	Special Tasks / Factors
LTC Jones / Bn Cdr	D/N/NS/H/W	C/F/S/T/D	FRIES/live fire
MAJ Smith / Opns Officer	D/N/NS/H/W	C/F/S/T/D	
CPT Henry / A Co Cdr	D/N/NS/NG/H/W	C/F/S/T/D	FRIES/live fire/hoist
CPT James / D Co Cdr	D/N/NS/NG/H/W	C/F/S/T/D	live fire
MAJ Williams / XO	D/N/NS/NG/H/W	C/F/S/T/D	
CW4 Johnson / Bn Stds	D/N/NS/NG/H/W	C/F/S/T/D	FRIES/live fire/hoist

3. The following individuals are authorized as risk approval authorities for the level indicated:

Risk Level	Approval Authority
Low	Member of the chain of command, unit mission briefer, or personnel designated by the commander
Medium	The unit commander
High	Battalion / Squadron commander
Extreme High	First General Officer in the chain of command

4. Aircraft operations approval authority, mission briefers and risk approval authority will be annotated on the DA Form 5484-R and / or the Risk Assessment Matrix.

5. POC is the Battalion Standardization Officer, CW4 Johnson at DSN 555-1212.

JOHN A. JONES
LTC, AV
Commanding

Leadership Requirements

- ✓ **Track non-PC Company Commanders, require PC status prior to deployment**
- ✓ **All ADCs will attend the Division Commander's course at Fort Rucker**
- ✓ **General Officer, first in chain of command, will receive outbrief for all Class A accidents**

Summary

- ✓ **Army Aviation currently employs the majority of these controls.**
- ✓ **We have achieved compliance with the VCSA's, and the USAREUR Commander's Directives with only minor operational modifications.**

  - Pilot-in-Command requirement for briefers.
- ✓ **Compliance will be monitored regularly through UASSD Assistance visits and Aviation Resource Management Survey Evaluations**

USAREUR AVIATION SAFETY AND STANDARDIZATION DETACHMENT
SSD

Next USAREUR Commanders' Safety Co

1300-1500 Hours on 11 October 200

Army in Europe

United States Army in Europe

Command Safety Council

✓ Our Goal: No Loss of Life...

Around the Horn

United States Army in Europe

Command Safety Council

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